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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/501,250	12/06/2004	Robert Patrick Hof	056291-5264US	7528
9629 MORGAN LE	7590 06/01/2009 EWIS & BOCKIUS LLP	EXAMINER		
1111 PENNSYLVANIA AVENUE NW			SOLOLA, TAOFIQ A	
WASHINGTO	DN, DC 20004		ART UNIT	PAPER NUMBER
			1625	
			MAIL DATE	DELIVERY MODE
			06/01/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)		
10/501,250	HOF, ROBERT PATRICK		
Examiner	Art Unit		
Taofiq A. Solola	1625		

Onice Action Gammary	Examiner	Art Unit	1			
	Taofiq A. Solola	1625				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Estensions of time may be available under the provisions of 37 CFR 1.15 - If the provision of 37 CFR 1.15 - If NO period for reply is appecified above, the maximum statutory period to reply with the set or extended period for reply with the set or extended period for reply with 194 yaitable. Any reply received by the Office later than three months after the mailing aemed patent term adjustment, See 37 CFR 1.70(4p).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tin till apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. sely filed the mailing date of this of (35 U.S.C. § 133).	,			
Status						
1) Responsive to communication(s) filed on 01 Ma	av 2009.					
·- · · · · · · · · · · · · · · · · · ·	- · · · · · · · · · · · · · · · · · · ·					
,	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
` <u> </u>						
4)⊠ Claim(s) <u>1-8</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-8</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examine	r.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P	ΓO-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. ☐ Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau	(PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list	of the certified copies not receive	d.				
Attachment(s)						
Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da 5) Notice of Informal P					
3) X Information Disclosure Statement(s) (FTO/SE/08)	5) Involuce of Informal P	arent Withington				

Paper No(s)/Mail Date 5/1/09.

6) Other: _____.

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Claims 1-8 are pending.

Request for Continued Examination

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.117(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/1/09 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kizaki et al., EP 1 024 139 A1 in view of Naik et al., Am. Inst. Chem. Eng. J. (1984), Vol 44(3), pages 612-646.

Applicant claims a process of making compounds of formula I comprising reacting compounds of formulae 2 and 4 in the presence of compound of formula 3, a phosphonium phase transfer catalyst.

Determination of the scope and content of the prior art (MPEP 2141.01)

Kizaki et al., teach a similar process using ammonium phase transfer catalyst.

Ascertainment of the difference between the prior art and the claims (MPEP 2141.02)

The difference between the instant invention and that of the Kizaki is that Applicant use phosphonium catalyst instead ammonium by Kizaki et al.

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Finding of prima facie obviousness--rational and motivation (MPEP 2142.2413)

However, Naik et al., teach that both catalysts are well known in the art and are commonly use as phase transfer catalyst. Therefore, the instant invention is prima facie obvious from the teachings of Kizaki et al., and Naik et al. One of ordinary skill in the art would have known to substitute phosphonium catalyst for ammonium catalyst at the time the invention was made. The motivation is from the teaching of Naik et al.

Response to Argument

Applicant's arguments filed 5/19/08 have been fully considered but they are not persuasive. Applicant contends that Naik et al., fails to teach that ammonium and phosphonium may be used interchangeably. The recent decision in KSR Int'l Co. v. Teleflex Inc., 127 S.Ct 1727,----, 82 USPQ2d 1385, 1394, 1396 (2007), foreclosed this argument. Design need and/or market pressure is not absolutely required for obvious to try. The totality of Naik et al., is providing an obvious reason to try phosphonium in phase transfer reactions. Particularly because it is disclosed as more stable and widely used in phase transfer reactions (Table 1). Applicant also argues that several classes of catalysts are listed. This is not persuasive because only 5 catalysts are listed in Table 1.

Applicant further argues that' "obvious to try" test in KSR has not been satisfied in the' instant case. This is not persuasive because Naik et al., in Table 1, provide adequate reasons (except cost) as to why one of ordinary skill may be motivated to substitute ammonium with phosphonium as phase transfer catalyst (PTC). The recognition of the catalysts by Naik et al., as phase transfer catalysts creates an obvious to try situation, and applicant's invention confirms they are in fact

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interchangeable. A person of ordinary skill would have good reasons to interchange the catalysts, since there are 5 options cited in Table 1.

Applicant asserts that phosphonium fails to work as well as ammonium in the phase transfer (PT) reactions by Starks et al., "Phase Transfer Catalyst", Academic Press (1978), and Bram et al., Israel J. Chem. (1985), 26, pp 291-298. This is not persuasive. Just because phosphonium didn't work as well as ammonium in a particular reaction is not conclusive evidence it would not work in other reactions. In addition, failure to work as well as ammonium in the cited studies may be due other factors, such as, design and/or human errors and therefore there are no reasons not to try it in other reactions.

Applicant refers to US 5,594,153 and Halpern's article: Phase Transfer Catalysis

Communications (1997) 3:1-12, and contends there is no teaching or suggestion that any
catalyst other than ammonium containing catalyst is useful for esterification reaction. This is not
persuasive for the reason set forth in KSR, Id. Also, there is no explicit teaching in the
references that phosphonium is not applicable in those reactions. Using a catalyst in a reaction
is not conclusive evidence that other catalysts would not work in that particular or similar
reactions.

Applicant argues that the prior arts fail to teach the specific substituents in claims 2-3 and the variables (molar concentrations and temperature ranges) in claims 4-8. This is not persuasive because the argument relates to anticipatory rejection. Had the specific substituents in claims 2-3 and the variables being thought in the prior arts the rejection would not have been based on obviousness. As per MPEP 2144.06, the issue is not whether two equivalents are recognized as interchangeable or variables are thought, if equivalency is recognized in the prior art, it is obvious to substitute one for the other. The recognition of the catalysts as equivalents by Naik et al., creates an obvious to try situation for applicant.

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This is RCE of the same Application: No. 10/501,250. All claims are drawn to the same invention claimed in the earlier application and have been finally rejected on the grounds and art of record. Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action in this case. See MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no, however, event will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taofiq A. Solola, PhD. JD., whose telephone number is (571) 272-0709.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres, can be reached on (571) 272-0867. The fax phone number for this Group is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1600.

/Taofiq A. Solola/

Primary Examiner, Art Unit 1625

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